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INFSCI 2591

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Project 2 Results

Test Case Outputs:

A screenshot of a computer

AI-generated content may be incorrect.

Time Performance:

A graph with a line graph

AI-generated content may be incorrect.

A graph with a line

AI-generated content may be incorrect.

Memory Usage:

Two-Dimensional Array Floyd’s Algorithm:

* 3 Two-Dimensional Arrays with size n2 (n - # of nodes) – adjacency, D, and P

Linked-List Floyd’s Algorithm:

* 1 Linked List with e entries (e - # of edges) and a max of n2 edges – vertices
* 2 Two-Dimensional Array with size n2 – D and P

Two-Dimensional Array Dijkstra’s Algorithm:

* 2 Two-Dimensional Arrays with n2 size – adjacency and touch
* 1 Array of size n – length

Linked-List Dijkstra’s Algorithm:

* 1 Linked List with e entries – vertices
* 1 Two-Dimensional Array with size n2 – touch
* 1 Array of size n – length